

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004280

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 E21B43/26

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C09K E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/064946 A (SOFITECH NV ; SCHLUMBERGER CA LTD (CA); SCHLUMBERGER SERVICES PETROL ) 22 August 2002 (2002-08-22) page 9, line 9 - page 12, line 28; claims 1-21; figures 5,6,9,10; examples 1-3	1-23
X	US 5 551 516 A (NELSON ERIK B ET AL) 3 September 1996 (1996-09-03) examples 5,6	1-23
X	GB 2 366 307 A (OSCA INC) 6 March 2002 (2002-03-06) page 4, lines 14-21,29-34; claims 1-55 page 5, line 1 - page 6, line 31	1-23
X	CA 2 329 600 A (TRICAN WELL SERVICE LTD) 22 June 2002 (2002-06-22) claims 1-13; examples 1-5; table 1	1-5, 7-10, 12-23

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

19 January 2005

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information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02064946	A	22-08-2002	GB 2372058 A	14-08-2002
			BR 0207483 A	10-08-2004
			BR 0207484 A	10-08-2004
			CA 2434345 A1	22-08-2002
			CA 2434357 A1	22-08-2002
			CA 2434613 A1	22-08-2002
			EP 1360394 A1	12-11-2003
			EP 1360395 A1	12-11-2003
			WO 02064945 A1	22-08-2002
			WO 02064946 A1	22-08-2002
			WO 02064947 A1	22-08-2002
			GB 2389603 A ,B	17-12-2003
			GB 2389604 A ,B	17-12-2003
			GB 2393722 A	07-04-2004
			NO 20033572 A	07-10-2003
			NO 20033573 A	10-10-2003
			US 2004102330 A1	27-05-2004
			US 2004094301 A1	20-05-2004
			US 2004221989 A1	11-11-2004
US 5551516	A	03-09-1996	NONE	
GB 2366307	A	06-03-2002	US 6509301 B1	21-01-2003
			CA 2344734 A1	25-02-2002
			NO 20011964 A	26-02-2002
CA 2329600	A	22-06-2002	CA 2329600 A1	22-06-2002
			AU 5602301 A	12-11-2001
			WO 0183946 A1	08-11-2001
			CA 2408052 A1	08-11-2001
			US 2003168217 A1	11-09-2003